

FIG. 1A

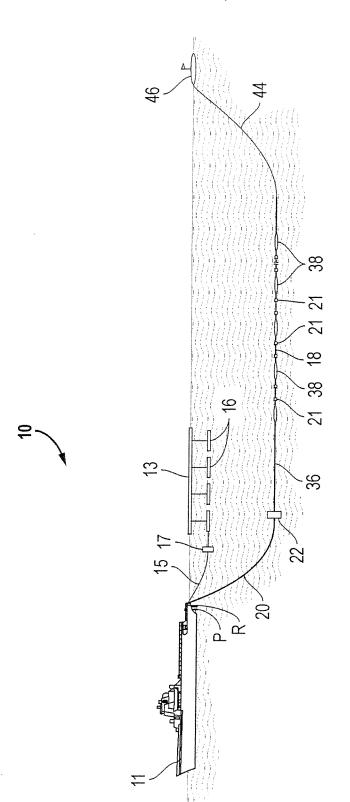
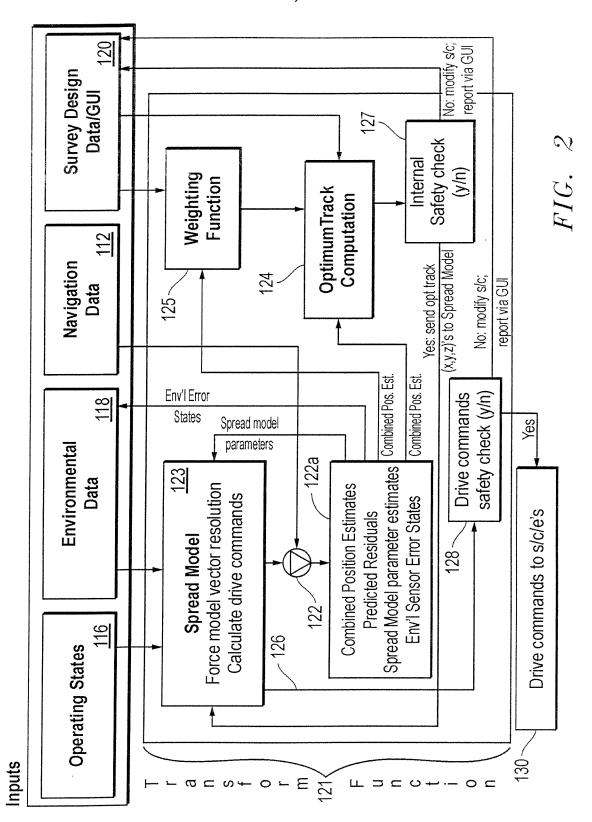
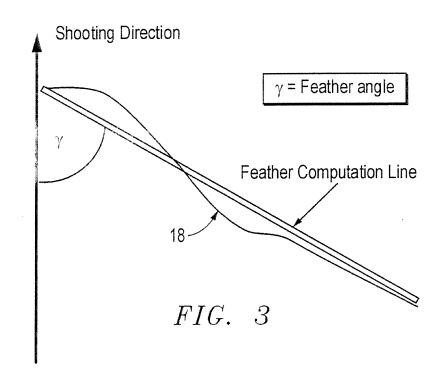


FIG. 1E





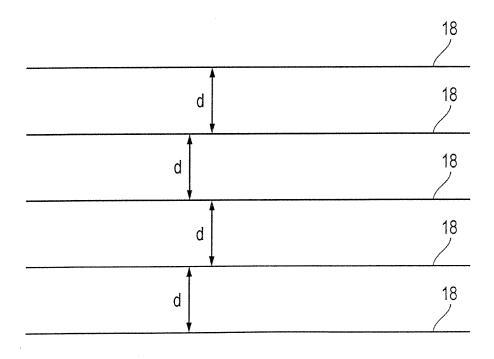
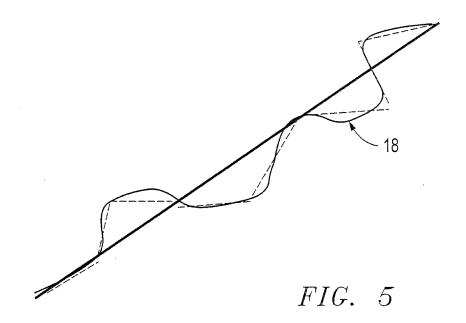


FIG. 4



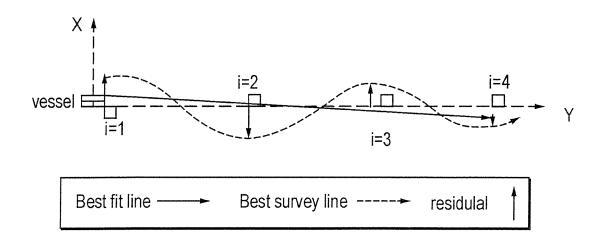


FIG. 6



L2 Line Fits to _____ Base Survey ____ Base Survey track track

Vessel Track Guided by _____ Successive Line Fit Look Aheads

FIG. 7

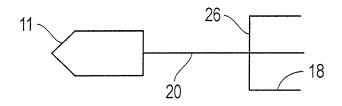
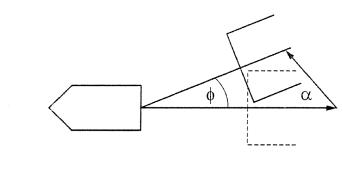


FIG. 8A



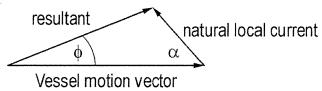


FIG. 8B

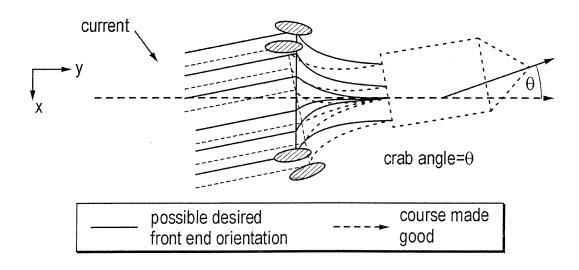


FIG. 9

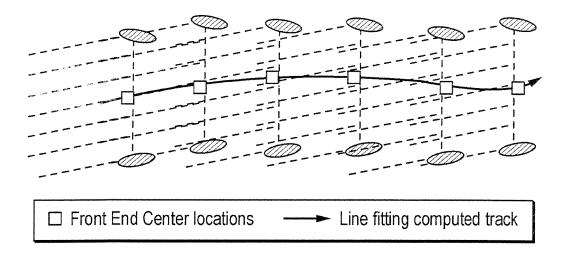
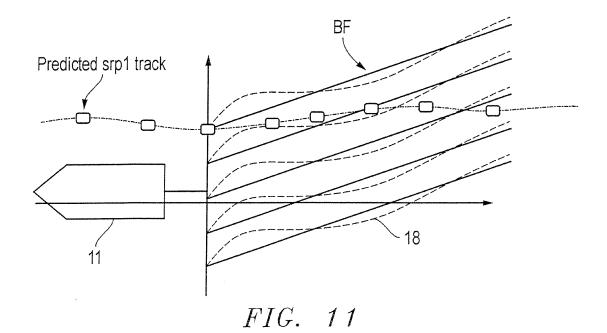


FIG. 10



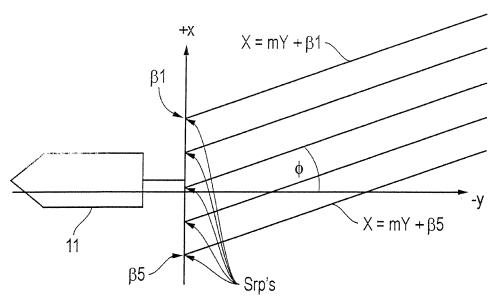


FIG. 12

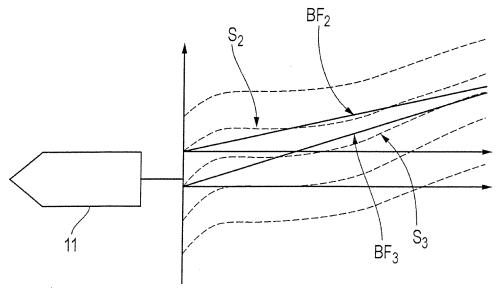


FIG. 13